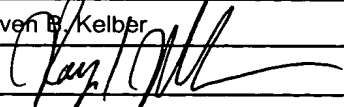


<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>	Attorney Docket No.	2343-169-27	
	First Inventor or Application Identifier	Shiquan TAO	
	Title	MOISTURE SENSOR BASED ON EVANESCENT WAVE LIGHT SCATTERING BY POROUS SOL-GEL SILICA COATING	

17497 U.S. PTO  
 10/608228  
 06/30/03

<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents</small>	<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application PO Box 1450 Alexandria, VA 22313-1450
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g. PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small> <input checked="" type="checkbox"/> Applicant claims small entity status. 2. <input checked="" type="checkbox"/> Specification Total Pages <span style="border: 1px solid black; padding: 2px;">28</span> 3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) Total Sheets <span style="border: 1px solid black; padding: 2px;">13</span> 4. <input type="checkbox"/> Oath or Declaration Total Pages <span style="border: 1px solid black; padding: 2px;"></span> a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. §1.63(d)) <small>(for continuation/divisional with box 16 completed)</small> 5. <input type="checkbox"/> Incorporation By Reference <small>(usable if box 4B is checked)</small> <small>The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4B, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</small>	<b>ACCOMPANYING DOCUMENTS</b> 6. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 7. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small> 8. <input type="checkbox"/> English Translation Document <small>(if applicable)</small> 9. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 10. <input type="checkbox"/> Preliminary Amendment 11. <input checked="" type="checkbox"/> White Advance Serial No. Postcard 12. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small> 13. <input type="checkbox"/> Request for Priority 14. <input checked="" type="checkbox"/> List of Inventors' Names and Addresses 15. <input checked="" type="checkbox"/> Other: Nonpublication Request and Certification
16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)    of prior application no.: Prior application information:    Examiner:    Group Art Unit:	
17. Amend the specification by inserting before the first line the sentence: <input type="checkbox"/> This application is a <input type="checkbox"/> Continuation <input type="checkbox"/> Division <input type="checkbox"/> Continuation-in-part (CIP) of application Serial No.    Filed on  <input type="checkbox"/> This application claims priority of provisional application Serial No.    Filed	
<b>18. CORRESPONDENCE ADDRESS</b> Supervisor, Patent Prosecution Services PIPER RUDNICK LLP 1200 Nineteenth Street, N.W. Washington, D.C. 20036-2412 Telephone No. (202) 861-3900 Facsimile No. (202) 223-2085	

Name	Steven B. Kelber	Registration No.	30,073		
Signature		Date	6/30/2003	Telephone	202-861-3900
Name	Raymond Millien	Registration No.	43,806		

13408 U.S. PTO  
06/30/03

# FEE TRANSMITTAL

Docket No. 2343-169-27  
Serial No. New Application  
Filing Date Herewith  
Inventor(s) Shiquan TAO, et al.  
Group Art Unit  
Examiner

TOTAL AMOUNT OF PAYMENT \$620.00

1. ☒ Applicant claims small entity status.

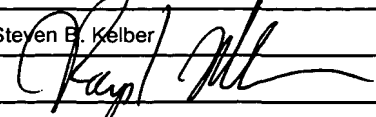
- ☐ Charge any **UNDERPAYMENT** or credit any **OVERPAYMENT** in the indicated fees to Deposit Account No. 50-1442.  
☐ Charge the indicated fees to Deposit Account No. 50-1442.

2. ☒ Check enclosed.

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description		Fee Paid	
Fee Code	Fee (\$)	Fee Code	Fee (\$)				
1051	130	2051	65	Surcharge-late filing fee or oath		65.00	
1052	50	2052	25	Surcharge-late provisional filing fee or cover sheet			
1053	130	1053	130	Non-English specification			
1812	2520	1812	2520	Ex parte reexam. fee			
1001	750	2001	375	Utility filing fee		375.00	
1002	330	2002	165	Design filing fee			
1003	520	2003	260	Plant filing fee			
1004	750	2004	375	Reissue filing fee			
1005	160	2005	80	Provisional filing fee			
SUBTOTAL (1)						\$375.00	
2. EXTRA CLAIM FEES							
tot. claims	40	-	20*	=	20	x	\$9 = 180
ind. claims	3	-	3*	=	0	x	\$42 = 0
<input type="checkbox"/>	Multiple Dependent Claims			\$140	=		
Large Entity		Small Entity		Fee Description			
Fee Code	Fee (\$)	Fee Code	Fee (\$)				
1202	18	2202	9	Claims in excess of 20			
1201	84	2201	42	Independent claims in excess of 3			
1203	280	2203	140	Multiple dependent claim, if not paid			
1204	84	2204	42	*Reissue independent claims over original patent			
1205	18	2205	9	*Reissue claims in excess of 20 and over original patent			
SUBTOTAL (2)						\$180.00	
* or number previously paid, if greater; For Reissues, see above						SUBTOTAL (3)	
						\$65.00	

Name	Steven B. Kelber	Registration No.	30,073
Signature		Date	6/30/2003
Name	Raymond Millien	Registration No.	43,806
		Telephone	202-861-3900

DOCKET NO. 2343-169-27

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Shiquan TAO, et al.

ART UNIT:

SERIAL NO.: New Application

EXAMINER:

FILING DATE: Herewith

FOR: MOISTURE SENSOR BASED ON EVANESCENT WAVE LIGHT  
SCATTERING BY POROUS SOL-GEL SILICA COATING

**NONPUBLICATION REQUEST  
AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)**

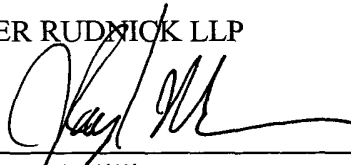
ASSISTANT COMMISSIONER FOR PATENTS  
PO BOX 1450  
ALEXANDRIA, VA 22313-1450

SIR:

It is hereby certified that the invention disclosed in the attached application has not been and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at 18 months after filing. It is hereby requested that the attached application not be published under 35 U.S.C. 122(b). Applicants reserve the right to rescind this request pursuant to 35 U.S.C. 122(b)(2)(B)(ii).

Respectfully submitted,

PIPER RUDNICK LLP



Raymond Millien  
Registration No. 43,806

Date

6/30/2003

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DOCKET NO. 2343-169-27

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Shiquan TAO, et al. ART UNIT:  
SERIAL NO.: New Application EXAMINER:  
FILING DATE: Herewith  
FOR: MOISTURE SENSOR BASED ON EVANESCENT WAVE LIGHT SCATTERING  
BY POROUS SOL-GEL SILICA COATING

**LIST OF INVENTORS' NAMES AND ADDRESSES**

ASSISTANT COMMISSIONER FOR PATENTS  
PO BOX 1450  
ALEXANDRIA, VA 22313-1450

SIR:

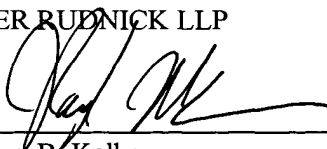
Listed below are the names and addresses of the inventors for the above-identified patent application.

- 1) Shiquan TAO  
c/o Mississippi State University  
Diagnostic Instrumentation and  
Analysis Laboratory  
205 Research Blvd.  
Starkville, MS 39759
- 2) Jagdish P. Singh  
c/o Mississippi State University  
Diagnostic Instrumentation and  
Analysis Laboratory  
205 Research Blvd.  
Starkville, MS 39759
- 3) Christopher B. Winstead  
6 Maywood Drive  
Hattiesburg, MS 39402

A declaration containing all the necessary information will be submitted at a later date.

Respectfully submitted,

PIPER RUENICK LLP



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Steven B. Kelber  
Registration No. 30,073  
Attorney of Record

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